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ABC-Tr-5713

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TT-64-10190

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IONS IN THE OSCILLATING FIELD OF THE DEMP-
STER VACUUM HIGH FREQUENCY SPARK. [1963]
15p (figs omitted) 1ref
Order from SLA \$1.60 TT-64-10190

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Germany) 1963, v. 18a [no. 3] p. 410-417.

DESCRIPTORS: *Ion sources, *Ions, *Acceleration,
Oscillation, High frequency, Sparks, Oscillographs,
Density, Electrodes, Electric potential,
Discharge tubes.

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AEC NP Tr-813

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Reaction of Methylene with Nitro, by
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CHEM, per, James L. H. H. H. H.
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DESCRIPTORS: *Carbenes, *Sodium compounds, Alkyl radicals, Phenyl radicals, *Sulfonium radicals, Salts, Synthesis (Chemistry), Metalation, Elimination reactions, Sulfides, Cyclohexenes.

The preparation of alkyl-diphenyl-sulfonium salts is described. There occurs with triyl sodium an elimination that proceeds in part as an alpha elimination and in part according to the mechanism of beta elimination. (Chemistry--Organic, TT, v. 10, no. 11) (over)

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- III. Mertz, C.
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ON THE MECHANISM OF HOFMANN ELIMINATION
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Order from SLA \$1.10 62-16258

Trans. of Chem[ische] Ber[ichte] (West Germany)
1960, v. 93 [no. 12] p. 2819-2823.

DESCRIPTORS: *Sulfonium radicals, Salts, Ethyl
radicals, Bromides, Iodides, *Methyl radicals,
*Elimination reactions, Molecular association,
Sodium compounds.

Triethyl-sulfonium-bromide and -iodide become con-
verted smoothly with trityl sodium into triphenyl
methane, diethyl sulfide and ethylene. The attack of
the base on the sulfonium salt is preponderatingly at
the methylene groups, as was shown by experiments
with $(\text{CH}_3\text{CD}_2)_3\text{SX}$ (X = Br, I). There is a discussion
of the factors that influence the relation of this
(Chemistry--Organic, TT, v. 8, no. 9) (over)

62-16258

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III. Mertz, C.

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